

ART 34 AClaims

1. Device for joining at least two layers (V1, V2) for forming a multilayer web product (N), comprising an essentially rigid smooth first cylinder (1) and an essentially rigid second cylinder (3), the latter having points (3P), said first and second cylinders rotating in opposite directions about respective axes of rotation (1A, 3A) and being pressed against each other, thus defining between themselves a lamination nip (5) through which said at least two layers are passed, characterized in that it comprises a pressure roller (7), with a surface (7A) that is less rigid than said first and second cylinders (1, 3), said roller interacting with said second cylinder and being pressed against it, said pressure roller forming with said second cylinder (3) an embossing nip (9) through which the layers (V1, V2), previously laminated in said lamination nip (5), are passed and in which they are embossed.

2. Device according to claim 1, characterized in that said pressure roller has a rubber coating (7A).

3. Device according to claim 1 or 2, characterized in that the points (3P) on said second cylinder (3) are arranged in circumferential and longitudinal bands in order to generate on said web product (N) areas (G) of lamination and embossing in longitudinal and transverse bands.

4. Method for producing a web product comprising at least a first and a second layer (V1, V2), in which said first and second layers are united by lamination at a plurality of spots, characterized in that after being laminated, said layers are embossed with a design corresponding to the distribution of the lamination spots.

5. Method according to claim 4, characterized in that said first and second layers are laminated in a nip (5) between an essentially rigid smooth first cylinder and an essentially rigid second cylinder (3), the latter having points (3P), said cylinders being pressed against each other and in that the two layers united by lamination are embossed between said second cylinder (3) and a pressure roller (7) pressed against the second cylinder, its surface being more resilient than the surface of said first and second cylinders.

6. Method according to claim 4 or 5, characterized in that said first and second layers are united by lamination and then embossed along longitudinal and transverse bands.

5 7. Method according to claim 6, characterized in that said web material (N) is divided into individual products (M) by cut lines extending along said longitudinal and transverse bands, the individual products then being folded.

10 8. Method according to claim 4, 5, 6 or 7, characterized in that said layers are embossed so that protuberances (P) of between 0.1 and 1 mm in height are produced on them.

15 9. A sheet product (M) comprising at least two layers (V1, V2) united along peripheral bands (G) by mutual adhesion of the layers in areas of localized compression, characterized in that said layers are also embossed along said peripheral bands with an embossed design corresponding to the distribution of said areas of localized compression.

10. Product according to claim 9, characterized in that the layers have protuberances with a height of between 0.1 and 1 mm along said peripheral bands.